

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 September 2002 (19.09.2002)

PCT

(10) International Publication Number
WO 02/073058 A1

(51) International Patent Classification⁷: F16D 59/02, B60T 17/18

(21) International Application Number: PCT/SE02/00459

(22) International Filing Date: 13 March 2002 (13.03.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0100842-4 13 March 2001 (13.03.2001) SE

(71) Applicant (for all designated States except US): HALDEX BRAKE PRODUCTS AB [SE/SE]; Box 501, S-261 24 Landskrona (SE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): SEVERINSSON, Lars [SE/SE]; Nordanvägen 27, S-310 21 Hishult (SE).

(74) Agent: STRÖM & GULLIKSSON IPC AB: P.O. Box 4188, S-203 13 Malmö (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

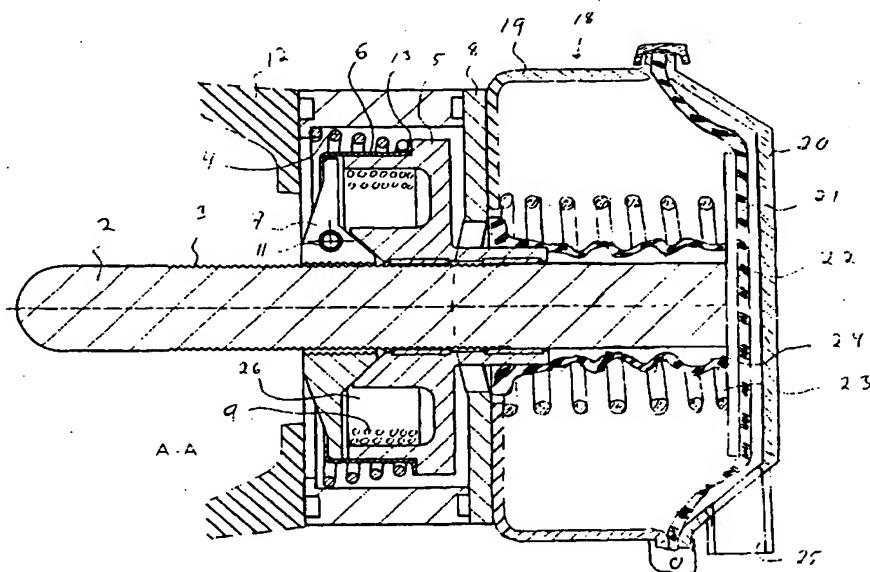
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PARKING LOCK



WO 02/073058 A1

(57) Abstract: The present invention concerns a parking lock unit for locking a service brake actuator (18) in an applied condition. The parking unit is primarily intended for heavy road vehicles and comprises a magnetic housing (5), enclosing an electromagnet (9) and a number of jaws (7), which jaws (7) are moveable in a radial direction. The park lock unit slidably receives a piston rod (2) of a service brake actuator (18). The jaws (7) and the piston rod (2) have grooves (10, 3) for co-operation to lock the piston rod (2) in an activated position. The jaws (7) are drawn into or out of engagement with the piston rod (2) by means of the electromagnet (9) magnetizing the magnetic housing (5).